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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/634,510	08/04/2003	Tadashi Okamoto	03500.015961.1	1267
	7590 11/21/200 CELLA HARPER &	EXAMINER		
30 ROCKEFEL		FORMAN, BETTY J		
NEW YORK, NY 10112			ART UNIT	PAPER NUMBER
			1634	
		•	MAIL DATE	DELIVERY MODE
			11/21/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

·	Application No.	Applicant(s)			
	10/634,510	OKAMOTO ET AL.			
Office Action Summary	Examiner	Art Unit			
·	BJ Forman	1634			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION ATE OF THIS COMMUNICA	ON. timely filed om the mailing date of this communication. NED (35 U.S.C. § 133).			
Status		•			
•	Responsive to communication(s) filed on <u>07 September 2007</u> .				
' =	· · · · · · · · · · · · · · · · · · ·				
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims					
4)⊠ Claim(s) <u>14 and 16</u> is/are pending in the application.					
4a) Of the above claim(s) is/are withdray	vn from consideration.				
5) Claim(s) is/are allowed.					
6)⊠ Claim(s) <u>14 and 16</u> is/are rejected. 7)□ Claim(s) is/are objected to.					
8) Claim(s) are subject to restriction and/o	r election requirement.				
Application Papers					
•	_				
9)☐ The specification is objected to by the Examiner. 10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).					
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:					
1. Certified copies of the priority documents have been received.					
2. Certified copies of the priority documents have been received in Application No					
3. Copies of the certified copies of the priority documents have been received in this National Stage					
application from the International Bureau	• • • • • • • • • • • • • • • • • • • •	t d			
* See the attached detailed Office action for a list	of the certified copies not rece	ivea.			
Attachment(s)					
1) Notice of References Cited (PTO-892)	4)				
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date		al Patent Application			

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FINAL ACTION

Status of the Claims

This action is in response to papers filed 7 September 2007 in which claims 14 and 16 were amended and claims 12 and 15 were canceled. The amendments have been thoroughly reviewed and entered.

The previous rejections in the Office Action dated 7 June 2007 are withdrawn in view of the amendments. Applicant's arguments have been thoroughly reviewed but are deemed moot in view of the amendments, withdrawn rejections and new grounds for rejection. New grounds for rejection, necessitated by the amendments, are discussed.

Claims 14 and 16 are under prosecution.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 14 and 16 rejected under 35 U.S.C. 103(a) as being unpatentable over Wolber (U.S. Patent No. 6,284,465, filed 15 April 1999) in view of Noblett (U.S. Patent No. 6,471016, filed 9 November 1999) and Tamura et al. (U.S. Patent No. 6,869,763, filed 31 January 2001).

Regarding Claims 14 and 16, Wolber teaches a method for evaluating the amount of target, the method comprising reacting a probe array with a labeled target wherein the probe array comprises a plurality of terminally labeled probes at a plurality of matrix sites (Column 15, lines 3-55), measuring and comparing the amount of label at matrix sites with labeled probe, the amount of label at matrix sites without probes (to determine contrast) and at matrix sites having captured target to determine the amount of target (Column 21, line 61-Column 22,

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line 9). Wolber further teaches the probes are synthesized in situ providing a label to provide optical contrast to non-probe regions on the matrix (Column 15, lines 23-49) and further teaches correcting the amount of target detected based on the optical contrast (Column 21, line 60-Column 22, line 26) but does not specifically teach the probe and non-probe regions are both labeled.

However, labeling of non-probe matrix regions was well known and routinely practiced in the art at the time the claimed invention was made as taught by Tamura and Noblett.

Noblett teaches a probe array bearing labeled non-probe regions wherein the non-probe regions consist of label dilution spots for automated calibration of microarray scanning (Abstract).

Tamura et al also teach a probe array bearing labeled non-probe regions wherein the non-probe regions are labeled during probe synthesis (Column 2, lines 35-46) wherein the non-probe regions provide array information and also array alignment (Column 2, line 47-Column 3, line 28).

It would have been obvious to one of ordinary skill in the art at the time the claimed invention was made to apply the labeled non-probe regions of Noblett and/or Tamura to the microarray detection method of Wolber. One of ordinary skill in the art would have been motivated to do so for the expected benefits of automated calibration, alignment and information storage as taught by Noblett and Tamura.

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within TWO

MONTHS of the mailing date of this final action and the advisory action is not mailed until after

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the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Conclusion

No claim is allowed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to BJ Forman whose telephone number is (571) 272-0741. The examiner can normally be reached on 6:00 TO 3:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ram Shukla can be reached on (571) 272-0735. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to (571) 272-0547.

Patent applicants with problems or questions regarding electronic images that can be viewed in the Patent Application Information Retrieval system (PAIR) can now contact the USPTO's Patent Electronic Business Center (Patent EBC) for assistance. Representatives are available to answer your questions daily from 6 am to midnight (EST). The toll free number is (866) 217-9197. When calling please have your application serial or patent number, the type of document you are having an image problem with, the number of pages and the specific nature of the problem. The Patent Electronic Business Center will notify applicants of the resolution of the problem within 5-7 business days. Applicants can also check PAIR to confirm that the problem has been corrected. The USPTO's Patent Electronic Business Center is a complete service center supporting all patent business on the Internet. The USPTO's PAIR system provides Internet-based access to patent application status and history information. It also enables applicants to view the scanned images of their own application file folder(s) as well as general patent information available to the public.

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BJ Forman, Ph.D. Primary Examiner Art Unit: 1634 November 19, 2007